

AlphaServer 2000 systems

Scalable SMP, mission-critical availability, and cost-effective performance



You can depend on the AlphaServer 2000 systems when you need to expand your computing capabilities to keep up with the growth of your business.

The AlphaServer™ 2000 systems — the 5/300 and 5/375 servers — deliver the price/performance that productivity-obsessed businesses require today, with exceptional expandability to keep up with changing needs tomorrow.

Benefits

- Industry-leading 64-bit RISC with symmetric multi-processing (SMP)
- Optional second processor for scalability and investment protection
- Up to 1 GB memory, up to 4 TB storage to grow as your business does
- 10 PCI and EISA ports for low-cost, industry-standard I/O options

- Digital UNIX®, OpenVMS™, or Microsoft® Windows NT™ Server gives you access to thousands of applications

• OpenVMS and UNIX clustering creates larger, highly available computing environments

• 3-year on-site hardware warranty, next-business-day response; our commitment to AlphaServer excellence

• Best applications:

- >Commercial application server
- >PC LAN server
- >Database server/high availability
- >Technical applications
- >Internet server



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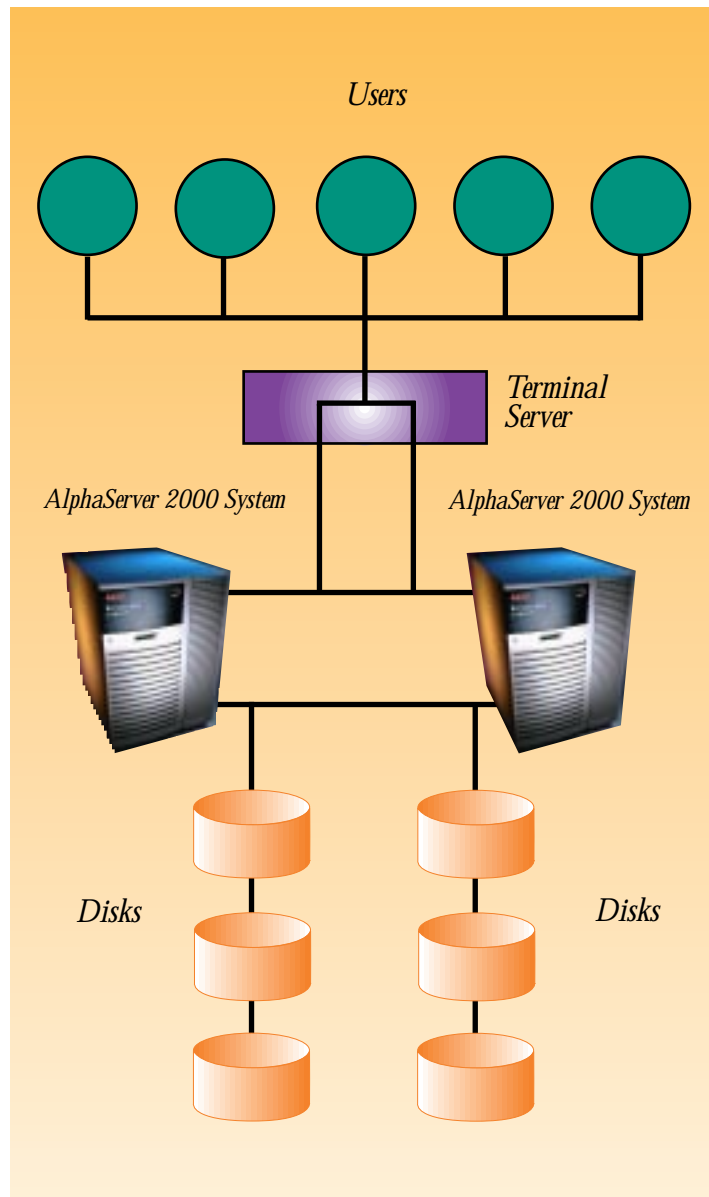
Scalable SMP, mission-critical availability, and cost-effective performance

If you run a growth-minded business that's ready to consider a cost-effective server solution, consider the AlphaServer 2000 systems — the 5/300 and 5/375 servers.

They provide high productivity and cost-effective solutions, while protecting your valuable business information.

You can manage multiple AlphaServer 2000 systems as a single unit by clustering them. Immediately, you have a self-contained backup system, and a way to balance your workload automatically across the entire server environment.

Typical AlphaServer Cluster



Who can use an AlphaServer 2000 system? Businesses that seek high reliability, availability, superior growth potential, and exceptional price/performance that lowers the cost of doing business. Of course, that covers a lot of ground.

An AlphaServer 2000 system can function as a commercial application server for office automation, financial applications, and other small- or medium-size business operations. As a database server, it can provide transaction processing and highly available computing environments for financial firms, banks, insurance companies and health care facilities. As a PC LAN server, it can support industry-standard operating systems for professional and service-oriented applications. It can function as a cost-effective compute server for such technical applications as modeling, parallel applications, and process control. And for larger commercial Web sites, it's the perfect Internet server.

Double Time

What's better than a high-speed processor? Two of them. The AlphaServer 2000 systems enable you to add a second processor, for twice-as-fast turnaround times on whatever projects your people are working on.

Your investment in AlphaServer 2000 systems gives you the flexibility to expand as your business grows. Its scalability feature lets you add a second processor to either the 5/300 or 5/375 system to reach impressive speeds – at a minimal cost. This ability to complete more work in less time gives you an immediate competitive advantage in the real-world environment of “I needed it yesterday.”

Extensively expansive

The memory, storage and I/O numbers of the AlphaServer 2000 systems certainly bear out the expandability promise. Memory doesn't max out until you reach 1 GB. Internal storage grows to 34.4 GB and can expand externally up to 4 TB.

On the I/O side, ten PCI and EISA slots give your server ample room for adding whatever low-cost, industry-standard peripherals work best for your needs. Translation: Whatever you need on the server, you can have on the server.

Also, by clustering multiple OpenVMS or UNIX systems, you can create even larger, highly available computing environments – and expand them easily and cost-effectively. All this added performance means you can approach business problems differently, and solve larger, more complex issues than was possible before.

Thousands of programs

The AlphaServer 2000 system fits right into your work environment, because it can accommodate just about any software you're currently running. Thanks to a choice of three operating systems – Digital UNIX, OpenVMS, or Windows NT Server – the server can run a wide range of applications.

A system to rely on

When your system is down, your business is down. That's precisely why the AlphaServer 2000 system offers availability features that maximize uptime. Auto reboot, thermal management, ECC cache and memory, redundant power system, and remote system management are all standard. And internal RAID cost-effectively organizes your disk data and improves performance, data integrity and security – all in a space-saving package. It makes for a cost-effective, space-saving, and secure solution for your business's high-integrity data.

3-year on-site warranty

For our AlphaServer family, Digital has set a new standard in customer service and support by bundling in a 3-year hardware warranty. The AlphaServer 2000 systems are no exception. If your system should need any service for a full three years after purchase, you can count on Digital to be on your site by the next business day. It's the kind of industry-leading service that further demonstrates our confidence in our AlphaServer systems ... and our commitment to your total satisfaction.

A range of services

Digital and its partners offer the broadest range of support services in the industry. Whether you require training, consulting, network integration, software support, or comprehensive system maintenance, Digital is the single-source solution to meet your needs.

Your next step

Looking for a server that delivers the price/performance that productivity-obsessed businesses require today, with exceptional expandability to keep up with changing needs? Check out the AlphaServer 2000 systems – the compact servers with plenty of growth potential. For information by fax, call 800-DIGITAL (via a touch-tone phone in the U.S. and Canada), or 1-908-885-6426 (outside the U.S. and Canada). For online information, including how to order, check out the AlphaServer home page at <http://www.digital.com/info/alphaserver>



AlphaServer 2000 systems	5/300	5/375
CPU features		
No. of processors		
Alpha CPU/clock speed	21064/291 MHz	21164A/366 MHz
Cache size on chip	8 KB I-cache, 8 KB D-cache	8 KB I-cache, 8 KB D-cache
On board cache (per processor)	4 MB	8 MB
In-cabinet upgrade	Yes	Yes
Performance		
SPECint95®	8.0	11.4
SPECfp95®	9.6	15.1
SPECint_rate95®	125	204
SPECfp_rate95®	161	258
SPECweb96®	565	--
LINPACK 1000 X 1000	663	--
I/O		
Max. memory	1 GB	1 GB
Max. storage, internal	34.4 GB	34.4 GB
Total storage	Up to 4 TB	Up to 4 TB
Max. I/O throughput	PCI: 132 MB/sec., EISA: 33 MB/sec.	PCI: 132 MB/sec., EISA: 33 MB/sec.
I/O support	3 PCI slots, 7 EISA slots	3 PCI slots, 7 EISA slots
Internal storage	8 hot swap disks (16 GB), 2 removable media, floppy disk, RAID 0, 1,0+1,5	
Options		
Networking	Ethernet, FDDI, Token Ring, synchronous comms.	
Storage	Fast SCSI-2, FW SCSI-2, FWD SCSI-2, RAID, DSSI (OpenVMS only), Prestoserve™ (Digital UNIX only)	
Availability features		
	System auto reboot, thermal management, redundant power system (N+1), remote system management, RAID, disk hot swap, dual SCSI backplane, memory failover, ECC memory, ECC cache, SMP CPU failover, error logging, optional uninterruptible power supply	
OpenVMS clusters	Ethernet, DSSI, FDDI	
UNIX TruClusters	Memory Channel™	
AdvantageCluster™ (UNIX)	DECsafe™ ASE	
Windows NT cluster	Ethernet, FDDI, SCSI	
Operating systems		
	Digital UNIX, OpenVMS, Windows NT Server	
Operating environment		
Temperature	10°C to 40°C (50°F to 104°F)	
Relative humidity	20% to 80% (non-condensing)	
Power supply	Two 400W supplies	
Physical characteristics		
Height	60.5 cm (23.8 in)	
Width	43 cm (16.9 in)	
Depth	65 cm (25.6 in)	
Weight	54 kg (109 lbs)	
Warranty	Three-year on-site warranty; next-business-day response time. (Warranty may be upgraded to enhance your coverage.)	

Features may differ among operating environments. Performance may vary depending on configuration, applications, and operating environment.

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